118

- protein search, using sw model OM protein

econds ល 2005, 08:39:07 April 13, Run on:

updates/sec Search time 66.0833 (without alignments) 228.252 Million cell

Title: Perfect

US-10-616-410-2_COPY_5_43 215 1 EKLPPGWEKRMSRSSGRVYYFNHITNASQWERPSGNSSS score: Sequence:

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BLOSUM62 Gapop 10.0 , Scoring table:

0.5 Gapext

2105692 segs, 386760381 residues Searched:

2105692 of hits satisfying chosen parameters: Total number

0B 0B

seq length: 0 seq length: 2000000000 Minimum Maximum

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Geneseq 16Dec04:* ۱۳ Database

geneseqp1980s:*
geneseqp1990s:*
geneseqp2000s:*
geneseqp2001s:*
geneseqp2003as:*
geneseqp2003as:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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ALIGNMENTS

RESULT 1 AAB21975

Z 39 AAB21975 standard; peptide;

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AAB21975;

entry) 02-JAN-2001

(first

Pin1/human peptide containing a WW-domain #2.

WW-domain; protein-protein interaction; cell growth regulation; protein degradation regulation; Alzheimer's; Dementia pugilistica; Down's syndrome; Parkinson's disease; Pick's; neurodegenerative; microtubule assembly; tau; hyperplasia; neoplasia; malignancy; psoriasis; retinosis; atherosclerosis; leukaemia; lymphoma; papiloma; pulmonary fibrosis; rhematoid arthritis; multiple sclerosis; numan.

Homo sapiens

WO200048621-A2

XX XX XX PF 18-FEB-2000; 2000WO-US004278. XX PR 18-FEB-1999; 99US-00252404. XX

2000WO-US004278

99US-00252404.

(BETH-) BETH ISRAEL DEACONESS MEDICAL CENT.

Zyon XZ; Lu KP,

A X

WPI; 2000-594014/56

growth Mediating protein-protein interactions, useful for regulating cell grow and for treating neurodegenerative disorders, comprises modulating binding of WW domain containing polypeptide with phosphorylated ligand

6; 82pp; English Fig Disclosure;

are The present invention relates to a method for mediating protein-protein interaction, which comprises modulating the binding of a WW-domain containing peptide with a phosphorylated ligand e.g. tau. WW-domains all highly conserved regions of approximately 40 amino acid residues with invariant tryptophans (W) in a triple stranded beta-sheet. The present sequence is one such WW-domain. When a WW-domain containing peptide is phosphorylated at serine or threonine residues, dephosphorylation of ligands bound to the peptide is inhibited. The present peptide may be

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useful for mediating protein-protein interaction, regulating cell growth, regulating protein degradation, restoring the function of tau to bind microtubules and promote or restore microtubule assembly in microtubules and promote or restore microtubule assembly in microtubules and promote or restore microtubule assembly in syndrome, Parkinson's disease, Pick's disease, multiple sclerosis, syndrome, Parkinson's disease, Pick's disease, prion disease with tangles, myotonic dystrophy, Niemann-Pick disease, prion disease with tangles, progressive supranuclear palsy and subacute sclerosing panencephalistis. In addition, inhibitors or stimulators of interactions between WW-domains of and ligands of the present invention can be used to treat hyperplastic and neoplastic disorders e.g. all forms of malignancies, psoriasis, retinosis, atherosclerosis resulting from plaque formation, leukaemias, chematoid arthritis
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th tangles, encephalistis. ween WW-domains

Gaps .. 0 Length 39; IndelB 39 Score 215; DB 3; I Pred. No. 5.7e-22; Mismatches .; 0 100.0%; Conservative Query Match Best Local Similarity Matches 39; Conser

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RESULT AAW1831

AAW18312 standard; protein; 163

AAW18312

(first entry) 09-DEC-1997 NIMA-interacting protein Pin1.

Pinl; protein interacting with NIMA; cell proliferation; mitosis; peptidyl-propyl cis/trans isomerase; adenocarcinoma; cancer; leukaemia; psoriasis; pemphigus vulgaris; rheumatoid arthritis; ammation; therapy acute respiratory distress syndrome; septic shock; inflammation; therapy PXPXPXFXPXPXFTTTTTTTTTTTTXSXXXXXXXXXX

sapiens. Homo

Location/Qualifiers Key Domain

"putative nuclear localisation signal" /note= "conserved tryptophan domain thought protein-protein interactions" 54. .69 'note= Peptide

mediate

to be

/nocc-59. .163 /label= PPI /note= "peptidyl-propyl cis/trans isomeras Domain

domain"

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WO9717986-A1

22-MAY-1997

96WO-US017334 28-OCT-1996; 95US-00555912. 13-NOV-1995;

(SALK) SALK INST BIOLOGICAL STUDIES

Lu KP; Hunter T,

WPI; 1997-289057/26 N-PSDB; AAT68888.

used for treating interacting with NIMA disorders. Protein, Pinl, wroliferative

cell

4; Page 49-50; 73pp; English.

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This human polypeptide sequence comprises Pinl, an 18 kDa protein that has peptidyl-propyl cis/trans isomerase activity, associates with NIWA be noted kinase, inhibits the mitosis-promoting function of NIWA when protein kinase, and induces mitotic arrest and nuclear fragmentation when coverexpressed, and induces mitotic arrest and nuclear fragmentation when coverexpressed, and induces mitotic arrest and nuclear fragmentation when coverexpressed, and induced from a DNA sequence (AAT6888) depleted. Its sequence was deduced from a DNA sequence and host cells recombinant expression vector comprising the DNA sequence and host cells containing the vector are claimed. Methods are also claimed for controlling the growth of a cell by reducing Pinl protein kinase and for controlling the growth of a cell by reducing Pinl activity activity or PIN1 expression using an inhibitor, anti-Pinl antibody, activity or PIN1 expression using an inhibitor of phil expression using an inhibitory are plants and activator or increasing PIN1 expression using an inhancer. This allows treatment of cell proliferation disorders such enhancer. This allows treatment of cell proliferation disorders such enhancer. This allows treatment of cell proliferation disorders such enhancer. This allows treatment of cell proliferation disorders such enhancer.
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39; Conserv
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